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3. □□□ Chaitin's constant □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

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7. □□

8. Grigori Perelman □ Poincaré conjecture □□□

9. Demis Hassabis □ AlphaGo Zero □□□□□□□□□ intuition□□□□□□□□□□□□□□□ intuition □□□□□ Demis Hassabis □□□□ AlphaGo Zero □□ intuition □□□□□□□□□□ AlphaGo Zero □□□□□□□□□□□□□ a meta-solution to any problem□

10. □□□ AlphaGo Zero □□□□□ Nature □□□□□□□□□□ superhuman performance□□□

C. □□□□□□□□□□□□□□□□□□□□□□□□

11. □□ form □□□

12. □□□□□□□□□□□□□□ motif □□□

13. □□□□□□□□□□□□□□□"truth"□□□□□□ truth□□□

14. The Selfish Gene□□□ The Immortal Gene□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

15. □□□□□□□□□□□□□□□□□□□□□□□□□□□□□Freeman Dyson □□□□ Birds and Frogs □□ birds □ frogs □□□

16. □□□□□□□□□□□□□Austrian School of Economics□□

17. □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□free will□□

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21. □□Turing Machine □□□deterministic, probabilistic, etc.□□□□□□□□□□□□□

22. □□ Turing Test □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ SAE level 4 □ level 5 □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

23. □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ encoder-decoder, attention, transformer, BERT □□□

24. □□□□□□□□ deep-learning □□□□□ deep residual networks □□□□□generative adversarial networks, etc.□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

25. □□□□□□□□□□□ Universal Approximation Theorem □□□□□□□□□□□□□□□□□□□□□□□□□□□□ overfitting□underfitting □□□□□□□□□□□□ chaos phenomena □□□□□□□□□

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